

**ABSTRACT**

5 A photo extraction technique is provided that scans film contained within a holder designed to accommodate that particular size and type of film and generates a low-resolution scan of the film and holder. The low-resolution scan is then processed by detecting the borders of the holder, applying a smoothen filter, detecting edge segments of the image-holding areas in the holder, identifying each of the image-holding areas, determining the orientation of the image-holding areas and correcting the orientation thereof if necessary, and locating each of the individual photos within the image-holding areas. Having identified and extracted 10 the photos, an index page comprising thumbnail images of the photos is generated. From this page, the user can select one or more of the images to be printed or displayed in high-resolution.

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